

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

*(use as many sheets as necessary)*

**Complete if Known**

Application Number	09/902,845
Filing Date	July 11, 2001
First Named Inventor	James P. Beck
Art Unit	1625
Examiner Name	Charanjit Aulakh
Attorney Docket Number	2809/1381 (PH-7222)

Sheet	1	of	3
-------	---	----	---

## U.S. PATENT DOCUMENTS

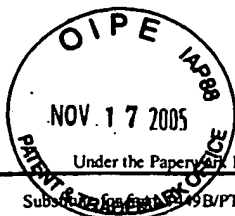
[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

12/15/05

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [222.uspto.gov](http://222.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

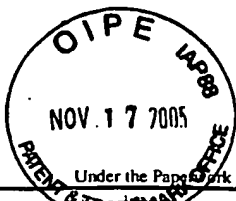
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/902,845		
		Filing Date	July 11, 2001		
		First Named Inventor	James P. Beck		
		Group Art Unit	1625		
		Examiner Name	Charanjit Aulakh		
Sheet	2		3	Attorney Docket Number	2809/1381 (PH-7222)
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
CA	2	BANERJI et al., "Studies on Single-Electron Transfer Reagents. Part IV <sup>1a-c</sup> Reaction of Nitrogen Heterocycles with Sodium Naphthalenide," <i>Tetrahedron</i> 50(30):9079-9096 (1994)			
CA	3	BOBOWSKI & GOTTLIEB, "4-Substituted-1,2,3,4-tetrahydro-3,3-dimethylisoquinolines. II," <i>J. Heterocyclic Chem.</i> 19(1):21-27 (1982)			
CA	4	BROWN & DYKE, "1,2-Dihydroisoquinolines-II Berbine Synthesis," <i>Tetrahedron</i> 22(8):2429-35 (1966)			
CA	5	BROWN & DYKE, "1,2-Dihydroisoquinolines-III Dimerization," <i>Tetrahedron</i> 22(8):2437-2443 (1966)			
CA	6	CHANDRASEKHAR et al., "Highly Efficient Synthesis of 3-alkyl/aryl-4-aryl-1,2,3,4-tetrahydroisoquinolines from <i>N,N</i> -dibenzylaminols," <i>Tetrahedron Lett.</i> 43(10):1885-1888 (2002)			
CA	7	GEORGIADIS et al., "Synthesis and Complexation Properties of a Water-Soluble Optically Active Cyclophane Incorporating a 4-Naphthyl-1,2,3,4-tetrahydroisoquinoline Unit as a Chiral Spacer," <i>J. Org. Chem.</i> 56(10):3362-3369 (1991)			
CA	8	KNABE & HERBORT, "Dehydrogenation of Tertiary Amines with Mercury-(II) Acetate in the Presence of EDTA. XIII. Oxidative Dimerization of 6,7-dimethoxy-2-methyl-1,1-diethyl-1,2,3,4-tetrahydroisoquinoline," <i>Archiv. der Pharmazie. und Berichte der Deutschen Pharmazeutischen Gesellschaft</i> 300(9):774-783 (1967)			
CA	9	KNABE & RENZ, "Synthesis of 3,4'-Biisoquinolines," <i>Archiv. der Pharmazie.</i> (Weinheim, Germany) 307(8):612-622 (1974)			
CA	10	SEEBACH et al., "Alkylation of Amino Acids without Loss of the Optical Activity: Preparation of $\alpha$ -Substituted Proline Derivatives. A Case of Self-Reproduction of Chirality," <i>J. American Chem. Soc.</i> 105(16):5390-5398 (1983)			
CA	11	SUGIURA & HAMADA, "Studies on Nitrogen-Containing Heterocyclic Compounds. XXXV. Syntheses and Reduction of 4-Amino-2-cyano-1,3-dimethoxy-1,2,3,4-tetrahydroisoquinolines," <i>Yakugaku Zasshi</i> 99(6):556-563 (1979)			
CA	12	SUGIURA et al., "Synthesis and Stereochemistry of 3,7-Diazatricyclo[4.2.2.2 <sup>2,5</sup> ]dodeca-9,11-dienes Derived By [4+4] Cyclodimerization of 2,3-Dihydroisoquinoline Derivatives," <i>Chem. Pharm. Bull.</i> 46(12):1862-1865 (1998)			
CA	13	UNO et al., "A Novel Method for the Synthesis of 4-Isoquinolinols," <i>J. Heterocyclic Chem.</i> 28(2):341-346 (1991)			
Examiner Signature	AULAKH			Date Considered	12/15/05

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)					
Sheet	3	of	3	Application Number	09/902,845
				Filing Date	July 11, 2001
				First Named Inventor	James P. Beck
				Group Art Unit	1625
				Examiner Name	Charanjit Aulakh
				Attorney Docket Number	2809/1381 (PH-7222)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
CA	14	CAS Number 53885-32-8, 1974.			
CA	15	CAS Number 53885-23-7, 1974.			
CA	16	BEILSTEIN NO. 455853 (CAS 71730-66-0), 1979.			
CA	17	BEILSTEIN NO. 4048047 (CAS 17074-38-3, 17074-39-4), 1967.			
CA	18	BEILSTEIN NO. 4102323 (CAS 53885-34-0), 1974.			
CA	19	BEILSTEIN NO. 4341479 (CAS 134021-24-2), 1991.			
CA	20	BEILSTEIN NO. 4494373 (CAS 82416-61-3), 1982.			
CA	21	BEILSTEIN NO. 4774688 (CAS 133160-36-8), 1991.			
CA	22	BEILSTEIN NO. 4787749 (CAS 133043-12-6, 133160-34-6, 133160-35-7), 1991.			
CA	23	BEILSTEIN NO. 4787750 (CAS 133043-12-6, 133160-34-6, 133160-35-7), 1991.			
CA	24	BEILSTEIN NO. 4787836 (CAS 133043-20-6, 133043-31-9), 1991.			
CA	25	BEILSTEIN NO. 4787837 (CAS 133043-20-6, 133043-31-9), 1991.			
CA	26	BEILSTEIN NO. 4788234 (CAS 133043-19-3, 133043-30-8), 1991.			
CA	27	BEILSTEIN NO. 4788235 (CAS 133043-19-3, 133043-30-8), 1991.			
CA	28	BEILSTEIN NO. 4789758 (CAS 133043-21-7, 133043-22-8), 1991.			
Examiner Signature	AULAKH			Date Considered	12/15/05

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.